

**UNCERTAINTY REDUCTION IN COLLABORATIVE BOOTSTRAPPING:  
MEASURE AND ALGORITHM**

ABSTRACT OF THE DISCLOSURE

5 Collaborative bootstrapping with uncertainty  
reduction for increased classifier performance. One  
classifier selects a portion of data that is uncertain  
with respect to the classifier and a second classifier  
labels the portion. Uncertainty reduction includes  
10 parallel processing where the second classifier also  
selects an uncertain portion for the first classifier to  
label. Uncertainty reduction can be incorporated into  
existing or new co-training or bootstrapping, including  
bilingual bootstrapping.